ABSTRACT OF THE DISCLOSURE

MW sensor 1 in one or more embodiments of the present invention is equipped with distance identifying means 41 capable of calculating relative distance(s) from the distance identifying means to object(s) at least partially within protected area(s) based on reflected wave(s); moved distance identifying means 42 capable of calculating moved distance(s) per unit time of object(s) at least partially within protected area(s); and object determination means 43 capable of receiving output(s) from distance identifying means 41 and moved distance identifying means 42, and capable of carrying out object detection determination operations(s) such that moved-distance-per-unit-time value(s), at least one of which serves as trigger value for object detection determination, is or are set lower as relative distance(s) to object(s) at least partially within protected area(s) grow smaller. As a result, a situation may be achieved whereby object(s) is or are not determined to have been detected when plant life or the like sways due to wind at location(s) comparatively distant from MW sensor 1. In contrast thereto, when human being(s) or the like approach, reaching location(s) comparatively near to MW sensor 1, it is possible to achieve a situation whereby object detection is determined to have occurred even where the speed of movement thereof is small.